

Ship Aug 10

Dart Aerospace Ltd.

32

Date: Wednesday, 7/4/2007 10:17:19 AM  
User: Kim Johnston

## Process Sheet

Customer	: CU-DAR001 Dart Helicopters Services	Drawing Name	: SHOULDER HARNESS
Job Number	: 33277		
Estimate Number	: 12332		
P.O. Number	: N/A	Part Number	: D412702031
This Issue	: 7/4/2007	S.O. No.	: N/A
Prsht Rev.	: NC	Drawing Number	: DSI 9322
First Issue	: N/A	Project Number	: N/A
Previous Run	: 28085	Drawing Revision	: 2A 07.07.04
		Type	: PURCHASED PARTS
		Material	: N/A
		Due Date	: 8/10/2007
Written By	: [Signature]	Qty:	3 Um: Each
Checked & Approved By	: [Signature]		
Comment	: Est Rev:A New Issue 06-03-10 JLM Est Rev:B Added DSI9322 06-03-21 EC		

## Additional Product

Job Number:



Seq. #: Machine Or Operation: Description:

1.0 DC DOCUMENT CONTROL



(3)

Comment: Photocopy DSI9322 &amp; type labels per PPP D412-702-031 CHG001

KS 07.07.30

2.0 PACKAGING 1 PACKAGING RESOURCE #1

Comment: PACKAGING RESOURCE #1  
Pick Packing Kit

3.0 D3496041 HARNESS ASSEMBLY

Comment: Qty.: 2.0000 Each(s)/Unit Total: 6.0000 Each(s)  
Pick Packing Kit

Qty	Part Number	Description	Batch
2	D3496-041	harness	B33283 ✓

4.0 D30311 Loop

Comment: Qty.: 4.0000 Each(s)/Unit Total: 12.0000 Each(s)  
Pick Packing Kit

Qty	Part Number	Description	Batch
4	D3031-1	Loop	B27949 (7x) ✓ B33774 (5x) ✓

5.0 MS24693S280 Screw

Comment: Qty.: 8.0000 Each(s)/Unit Total: 24.0000 Each(s)  
Pick Packing Kit

Qty	Part Number	Description	Batch
8	MS24693-S280	Srew	M100622 ✓

07/10/07 (3)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: 12 Date: 12/10/08  
 QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Wednesday, 7/4/2007 10:17:19 AM  
User: Kim Johnston

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: SHOULDER HARNESS

Job Number: 33277

Part Number: D412702031

Job Number:



Seq. #:

Machine Or Operation:

Description:

6.0

AN960JD10

Washer



Comment: Qty.: 8.0000 Each(s)/Unit Total: 24.0000 Each(s)

Pick Packing Kit

Qty	Part Number	Description	Batch
8	AN960JD10	Washer	M104517

7.0

MS21042L3

Nut



Comment: Qty.: 8.0000 Each(s)/Unit Total: 24.0000 Each(s)

Pick Packing Kit

Qty	Part Number	Description	Batch
8	MS21042L3	Nut	M103691

8.0

QC4

INSPECT 100% KITS FOR COMPLETENESS



Comment: INSPECT 100% KITS FOR COMPLETENESS

9.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and pack for shipping as per PPP D412-702-031

Location:

PPP Rev:

10.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



C207/08/08

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



DESIGN CP	DRAWN BY CP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED [Signature]	APPROVED [Signature]	DRAWING NO. DSI 9322	REV. A SHEET 1 OF 1
DATE 06.03.15		TITLE JUMP SEAT HARNESS INSTALLATIONS	SCALE NTS
A	06.03.15	NEW ISSUE	

## DART SERVICE INSTRUCTION

REFERENCE: IIN-D412-702 REV. C

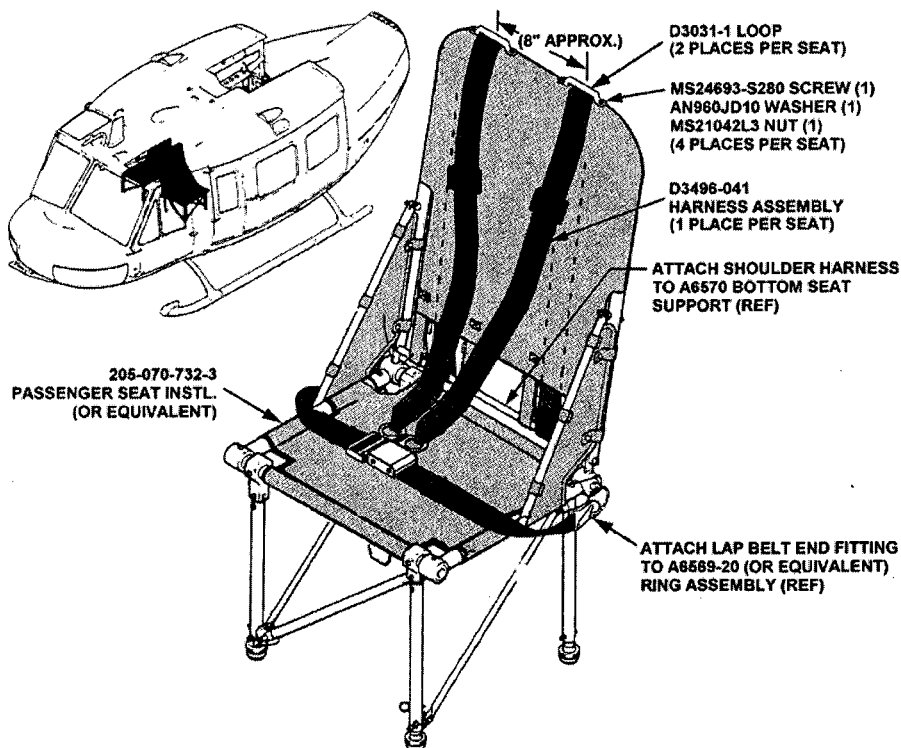
The following kit is available to provide 4-point shoulder harnesses for passengers on UH-1 aircraft:

The Dart **D412-702-031 Jump Seat Shoulder Harness Kit** provides 4-point harnesses for the 205-070-732-3 (or equivalent) passenger seat installations for the UH-1 aircraft. The harnesses for this kit are approved under JTSO-C114. Install the D412-702-031 kit as follows:

- 1) Locate the D3031-1 Loops on the seat as shown below and transfer drill qty(4) holes through the canvas and completely through the top bar. Open holes to  $\varnothing 0.203$ .
- 2) Install the D3031-1 Loops using the MS24693-S280 screws and associated hardware. To secure the nuts, a ratchet with an extension may be needed to reach the underside of the seat bar.
- 3) Attach the D3496-041 Harness Assemblies as shown below. The shoulder harness should loop through the D3031-1 loops down the back to the bottom seat support (ref p/n A6570 Bottom Seat Support, or equivalent) as shown. Temporarily remove the bottom seat support to attach the ends of the shoulder harness.

The parts list for the kits is as follows:

QTY	Part Number	Description
X	D412-702-031	Dart Jump Seat Shoulder Harness Kit, 4-point, for UH-1 aircraft
4	D3031-1	Loop
2	D3496-041	Harness Assembly, 4 point
8	MS24693-S280	Screw
8	AN960JD10	Washer
8	MS21042L3	Nut (or MS21042-3)



### BELT END FITTING

TO SECURE END FITTING:  
LOCKWIRE PER AC43.13-1B  
CHAPTER 7 SECTION 7 USING  
MS20995C41 LOCKWIRE OR INSTALL  
A MS24665 COTTER PIN

HOLE FOR  
LOCKWIRE



SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 33277

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Date: Thursday, 15/11/2007 6:55:16 AM  
 User: Linda Lacelle

## Process Sheet

Customer	: CC-DAR01 Dart Aerospace Ltd.	Drawing Name	: D412-702-UPDATE PAPERWORK
Job Number	: 35746		
Estimate Number	: 10804		
P.O. Number	: N/A	Part Number	: Z_CUSTOM
This Issue	: 15/11/2007	S.O. No.	: N/A
Prsht Rev.	: NC	Drawing Number	: ECN 1065
First Issue	: N/A	Project Number	: N/A
Previous Run	: 00015	Drawing Revision	: N/A
		Material	: N/A
Written By	: _____	Due Date	: 22/11/2007
Checked & Approved By	: _____	Qty:	1 Um: Each
Comment	: _____		

## Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	PACKAGING 1	PACKAGING RESOURCE #1
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Comment: PACKAGING RESOURCE #1  
 REMOVE FROM STOCK:

D412-702-021 31266 2X 30645 2X

D412-702-023 35411 3X

D412-702-025 32001 3X - 31124 3X

D412-702-031 33277 1X

D412-702-033 31453 1X

D412-702-041A

D412-702-041B 34427 1X - 32759 1X

D412-702-043A 34212 1X

D412-702-043B 32756 1X

D412-702-045A 34213 1X

D412-702-045B 32757 1X

D412-702-059 32327 1X

D412-702-069 34435 7X

ADD NEW PAPERWORK TO KITS IN STOCK  
 EASA STC EASA.IM.R.S.00710 REV.1

RETURN KITS TO STOCK